

Proposed Transportation Work Program Project
Proposed by: Sarath Joshua

1. Title: Integrated Corridor Management Systems
2. Brief Description: This project would carry out the ground work necessary to develop a fully integrated corridor traffic management system along one heavily traveled freeway/arterial corridor in the MAG region. The MAG Regional Concept of Transportation Operations identified a regional goal of implementing one fully integrated corridor within three years. What is meant by an integrated corridor is that the operations on a freeway corridor and its neighboring parallel arterials are very closely coordinated. This is accomplished through the application of ITS technology and communications between ADOT and city traffic management systems. Some candidate corridors discussed by the ITS Committee are: (1) US 60, Southern Avenue and Baseline Road, (2) I-17, 27th and 19th Avenues; (3) Loop 101 Pima Freeway & Hayden Road and Pima Road. **The MAG ITS Committee has recommended this project as a follow-up to the Concept of Operations approved by MAG.**
3. How the project fits with MAG's mission: This project would lead to efficient and effective operations on the entire corridor and serve as an example for extending the concept to all freeway corridors in the region.
4. Resources Required: \$ 200,000. The will be a 12-month consultant project.
5. Expected Outcome: Improved traffic operations in the corridor.
6. Benefit to MAG Member Agencies: Improved performance of transportation system with reduced congestion and reduced crashes.
7. Benefit to the Public: Time savings due to reduced delays. Indirect societal benefits due to reduced crashes related to congestion. Positive impact on public health due to air quality improvements.